

ART 34 A. 17.

C l a i m s

1. A device for an axial cyclone (1) of the kind which is used for separating a fluid from a gas, where the gas during the flow through the axial cyclone (1), primarily in the axial direction of the axial cyclone (1) assigns a rotation around the centre axis (12) of the axial cyclone (1) and where the axial cyclone (1) in the direction of flow comprises an inlet pipe (2), a transitional part (4) with a rotational element (10), and a downstream pipe (6) where the cross-sectional area of the downstream pipe (6) is smaller than the cross-sectional area of the inlet pipe (2), characterized in that no gap exists between the rotational element (10) and the transitional part (4).
2. A device in accordance with claim 1, characterized in that the axial vanes (14) of the rotational element (10) project from a substantially common joint (16) primarily radial outward in the direction of the internal surface of the axial cyclone (1).
3. A device in accordance with one or more of the preceding claims, characterized in that the cross-sectional area of the rotational element (10) in the flow direction is less than 20 % of the flow area of the inlet pipe (2).